### Principles of adjuvant therapy:

1. Capecitabine (Xeloda) appears to be equivalent to the combination of bolus 5-fluorouracil (5-FU) and leucovorin in Stage III patients.

2. FOLFOX (Oxaliplatin [Eloxatin] + leucovorin + 5-FU) is superior to 5-FU alone in Stage III patients.

3. The combination of bolus 5-FU, leucovorin, and irinotecan (Camptosar; CPT-11) should not be used in adjuvant therapy.

4. FOLFIRI (infusional 5-FU + leucovorin + irinotecan) has not been shown to be superior to 5-FU plus leucovorin.

5. Bevacizumab (Avastin), cetuximab (Erbitux), panitumumab (Vectibix), or irinotecan should not be used in the adjuvant setting for Stage II or III patients outside a clinical trial setting.

In response to the shortage of leucovorin over the last few years, the FDA recently approved levoleucovorin (Fusilev) in combination with 5-FU for the palliative treatment of patients with advanced metastatic colorectal cancer. Levoleucovorin 200mg/m² is the equivalent of leucovorin 400mg/m².

### REGIMEN DOSING

#### Adjuvant Therapy

<table>
<thead>
<tr>
<th>REGIMEN</th>
<th>DOsing</th>
</tr>
</thead>
<tbody>
<tr>
<td>mFOLFOX6 (oxaliplatin + leucovorin + 5-FU)</td>
<td>Day 1: Oxaliplatin 85mg/m² IV over 2 hrs + leucovorin 400mg/m² IV over 2 hrs + 5-FU 400mg/m² IV bolus, followed by 5-FU 1,200mg/m²/day IV x 2 days (total 2,400mg/m²) as a 46–48 hr continuous infusion. Repeat every 2 weeks.</td>
</tr>
<tr>
<td>FLOX (5-FU + leucovorin + oxaliplatin)</td>
<td>Days 1, 8, 15, 22, 29 and 36: 5-FU 500mg/m² IV and leucovorin 500mg/m² IV, plus Days 1, 15 and 29: Oxaliplatin 85mg/m² IV. Repeat cycle every 8 weeks for 3 cycles.</td>
</tr>
<tr>
<td>Capecitabine</td>
<td>Days 1–14: Capecitabine 1,250mg/m² orally twice daily. Repeat cycle every 3 weeks for 8 cycles.</td>
</tr>
<tr>
<td>CapeOX (also called XELOX) (oxaliplatin + capecitabine)</td>
<td>Day 1: Oxaliplatin 130mg/m² IV. Days 1–14: Capecitabine 1,000mg/m² orally twice daily. Repeat every 3 weeks for 8 cycles.</td>
</tr>
<tr>
<td>5-FU + leucovorin</td>
<td>Days 1, 8, 15, 22, 29 and 36: Leucovorin 500mg/m² IV + bolus 5-FU 500mg/m² IV. Repeat cycle every 8 weeks for 4 cycles. OR Day 1: Leucovorin 500mg/m² IV over 2 hrs + 5-FU 400mg/m² IV bolus, followed by 5-FU 1,200mg/m²/day IV x 2 days (total 2,400mg/m²) as a 46–48 hr continuous infusion. Repeat every 2 weeks.</td>
</tr>
</tbody>
</table>

#### Advanced or Metastatic Colon Disease

<table>
<thead>
<tr>
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<tr>
<td>mFOLFOX6</td>
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</tr>
<tr>
<td>mFOLFOX6 + bevacizumab</td>
<td>Day 1: Oxaliplatin 85mg/m² IV over 2 hrs + leucovorin 400mg/m² IV over 2 hrs + 5-FU 400mg/m² IV bolus, followed by 5-FU 1,200mg/m²/day IV x 2 days (total 2,400mg/m²) as a 46–48 hr continuous infusion. Day 1: Bevacizumab 5mg/kg every 2 weeks. Repeat every 2 weeks.</td>
</tr>
<tr>
<td>mFOLFOX6 + panitumumab</td>
<td>Day 1: Oxaliplatin 85mg/m² IV over 2 hrs + leucovorin 400mg/m² IV over 2 hrs + 5-FU 400mg/m² IV bolus, followed by 5-FU 1,200mg/m²/day IV x 2 days (total 2,400mg/m²) as a 46–48 hr continuous infusion. Day 1: Panitumumab 6mg/kg IV over 1 hr. Repeat every 2 weeks.</td>
</tr>
</tbody>
</table>
## COLON CANCER TREATMENT REGIMENS (Part 2 of 3)

### Advanced or Metastatic Colon Disease (continued)

<table>
<thead>
<tr>
<th>REGIMEN</th>
<th>DOING</th>
</tr>
</thead>
</table>
| **CapeOX**<sup>1,2,7</sup> | Day 1: Oxaliplatin 130mg/m² IV.  
Days 1–14: Capecitabine 850–1,000mg/m² orally twice daily.  
Repeat cycle every 3 weeks for 16 cycles. |
| **CapeOX + Bevacizumab**<sup>1,7,15,16</sup> | Day 1: Oxaliplatin 130mg/m² IV.  
Days 1–14: Capecitabine 850–1,000mg/m² orally twice daily.  
Day 1: Bevacizumab 7.5mg/kg IV.  
Repeat cycle every 3 weeks for 16 cycles. |
| **FOLFIRI (irinotecan + leucovorin + 5-FU)**<sup>1,12</sup> | Day 1: Irinotecan 180mg/m² IV + leucovorin 400mg/m² IV + 5-FU 400mg/m² IV bolus, followed by  
5-FU 1,200mg/m²/day IV x 2 days (total 2,400mg/m²) as a 46–48 hr continuous infusion.  
Repeat cycle every 2 weeks. |
| **FOLFIRI + bevacizumab**<sup>1,12,17</sup> | Day 1: Irinotecan 180mg/m² IV + bevacizumab 5mg/kg IV + leucovorin 400mg/m² IV bolus, followed by  
5-FU 1,200mg/m²/day IV x 2 days (total 2,400mg/m²) as a 46–48 hr continuous infusion.  
Repeat cycle every 2 weeks. |
| **FOLFIRI + cetuximab**<sup>1,12,18</sup> | Day 1: Irinotecan 180mg/m² IV + leucovorin 400mg/m² IV bolus, followed by  
5-FU 1,200mg/m²/day IV x 2 days (total 2,400mg/m²) as a 46–48 hr continuous infusion.  
Day 1: Cetuximab 400mg/m² IV, then 250mg/m² IV every 7 days.  
OR  
Day 1: Cetuximab 500mg/m² IV every 2 weeks ±  
Irinotecan 300–350mg/m² IV every 3 weeks or  
Irinotecan 180mg/m² IV every 2 weeks OR  
On Days 1 and 8, irinotecan 125mg/m² IV.  
Repeat cycle every 3 weeks. |
| **FOLFIRI + panitumumab**<sup>1,12,19</sup> | Day 1: Irinotecan 180mg/m² IV + leucovorin 400mg/m² IV bolus, followed by  
5-FU 1,200mg/m²/day IV x 2 days (total 2,400mg/m²) as a 46–48 hr continuous infusion.  
Day 1: Panitumumab 6mg/kg IV over 1 hr.  
Repeat cycle every 2 weeks. |
| **Capecitabine**<sup>1,20</sup> | Days 1–14: Capecitabine 850mg/m² orally twice daily.  
Repeat cycle every 3 weeks. |
| **Capecitabine + bevacizumab**<sup>1,16,20</sup> | Days 1–14: Capecitabine 850–1,250mg/m² orally twice daily.  
Day 1: Bevacizumab 7.5mg/kg IV.  
Repeat every 3 weeks. |
| **IROX (oxaliplatin + irinotecan)**<sup>1,21</sup> | Oxaliplatin 85mg/m² IV + irinotecan 200mg/m² IV.  
Repeat cycle every 3 weeks. |
| **FOLFOXIRI (irinotecan + oxaliplatin + leucovorin + 5-FU)**<sup>1,22</sup> | Day 1: Irinotecan 165mg/m² IV + oxaliplatin 85mg/m² IV + leucovorin 400mg/m² IV plus  
Days 1 and 2: 5-FU 1,600mg/m²/day continuous infusion IV over 48 hrs  
(totals 5-FU = 3,200mg/m²). |
| **Irinotecan**<sup>1,23</sup> | Days 1 and 8: Irinotecan 125mg/m² IV.  
Repeat cycle every 3 weeks.  
OR  
Day 1: Irinotecan 300–350mg/m² IV.  
Repeat cycle every 3 weeks. |
| **Cetuximab (KRAS wild-type gene only) ± Irinotecan**<sup>1,18</sup> | Day 1: Cetuximab 400mg/m² IV, then 250mg/m² IV every 7 days.  
OR  
Day 1: Cetuximab 500mg/m² IV every 2 weeks ±  
Irinotecan 300–350mg/m² IV every 3 weeks or  
Irinotecan 180mg/m² IV every 2 weeks OR  
On Days 1 and 8, irinotecan 125mg/m² IV.  
Repeat cycle every 3 weeks. |
| **Panitumumab (KRAS wild-type gene only)**<sup>1,24</sup> | Day 1: 6mg/kg IV.  
Repeat cycle every 2 weeks. |
References


15. European Studies showing equivalent efficacy for CapeOx used at a higher dose; however, European patients consistently tolerate capecitabine with less toxicity than American patients.


